

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/996,292 B

Source: 1FW/b

Date Processed by STIC: 10/28/04

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IFW16

RAW SEQUENCE LISTING

DATE: 10/28/2004

PATENT APPLICATION: US/09/996,292B

TIME: 15:49:11

Input Set : A:\ISIS4804.ST25.txt

Output Set: N:\CRF4\10282004\I996292B.raw

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3 <110> APPLICANT: Manoharan, Muthiah
4   Maier, Martin A.
5   Prakash, Thazha P.
6   Rajeev, Kallanthottathil Gopalan
8 <120> TITLE OF INVENTION: NUCLEASE RESISTANT CHIMERIC OLIGONUCLEOTIDES
10 <130> FILE REFERENCE: ISIS-4804
12 <140> CURRENT APPLICATION NUMBER: US 09/996,292B
13 <141> CURRENT FILING DATE: 2001-11-28
15 <150> PRIOR APPLICATION NUMBER: US 60/302,682
16 <151> PRIOR FILING DATE: 2001-07-03
18 <160> NUMBER OF SEQ ID NOS: 57
20 <170> SOFTWARE: PatentIn version 3.3
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24 <212> TYPE: DNA
25 <213> ORGANISM: Artificial
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61 <222> LOCATION: (1)..(17)
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64 <220> FEATURE:

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65 <221> NAME/KEY: misc_feature
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76 <222> LOCATION: (15)..(15)
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81 <222> LOCATION: (16)..(16)
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84 <220> FEATURE:
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86 <222> LOCATION: (17)..(17)
87 <223> OTHER INFORMATION: L-Thymidine
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125 <223> OTHER INFORMATION: 2'-O-MOE 5meU
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128 <221> NAME/KEY: misc_feature

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RAW SEQUENCE LISTING

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Input Set : A:\ISIS4804.ST25.txt

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199 <212> TYPE: DNA
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232 <223> OTHER INFORMATION: L-Thymidine
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242 <223> OTHER INFORMATION: 2'-O-MOE A
244 <220> FEATURE:
245 <221> NAME/KEY: misc_feature
246 <222> LOCATION: (16)..(16)
247 <223> OTHER INFORMATION: 2'-O-MOE 5meU
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259 <211> LENGTH: 20
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial
263 <220> FEATURE:
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Input Set : A:\ISIS4804.ST25.txt

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267 <220> FEATURE:
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269 <222> LOCATION: (1)..(20)
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289 <222> LOCATION: (4)..(4)
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300 <223> OTHER INFORMATION: 2'-O-MOE 5meU
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308 <221> NAME/KEY: misc_feature
309 <222> LOCATION: (18)..(18)
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315 <223> OTHER INFORMATION: 2'-O-MOE 5meU
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319 <222> LOCATION: (20)..(20) ✓
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326 <210> SEQ ID NO: 9
327 <211> LENGTH: 20
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/28/2004
PATENT APPLICATION: US/09/996,292B TIME: 15:49:12

Input Set : A:\ISIS4804.ST25.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51

Seq#:52,53,54,55,56,57

VERIFICATION SUMMARY

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